S. Rawlings

1642

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/492,764

ENTERED

CRF Processing Date: 1/23/2002
Edited by: _____
Verified by: _____ (STIC Staff)

- [ ] Changed a file from non-ASCII to ASCII.

- [ ] Changed the margins in cases where the sequence text was "wrapped" down to the next line.

- [ ] Edited a format error in the Current Application Data section, specifically: _____

- [ ] Edited the Current Application Data section with the actual current number. The number inputted by the applicant was [ ] the prior application data; or [ ] other _____.

- [ ] Added the mandatory heading and subheadings for "Current Application Data".

- [ ] Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- [ ] Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____

- [ ] Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____

- [ ] Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____

- [ ] Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- [ ] Inserted colons after headings/subheadings. Headings edited included: _____

- [ ] Deleted extra, invalid, headings used by an applicant, specifically: _____

- [ ] Deleted: [ ] non-ASCII "garbage" at the beginning/end of files; [ ] secretary initials/filename at end of file; [ ] page numbers throughout text; [ ] other invalid text, such as _____.

- [ ] Inserted mandatory headings, specifically: _____

- [ ] Corrected an obvious error in the response, specifically: _____

- [ ] Edited identifiers where upper case is used but lower case is required, or vice versa.

- [ ] Corrected an error in the Number of Sequences field, specifically: _____

- [ ] A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- [ ] Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

- [x] Other: Corrected misspelling of "TRANSDUCTION" in <1207 response

  Seq. 12 - changed "N to Xaa" in <2237 response

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

1600

RAW SEQUENCE LISTING   DATE: 01/23/2002
PATENT APPLICATION: US/09/492,764   TIME: 17:27:56

          Input Set : **A:\PTO.AMC.txt**
          Output Set: **N:\CRF3\01232002\I492764.raw**


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 5 <110> APPLICANT: Jove, Richard
 7         Hamilton, Andrew
 9         Gilbert, Richard
11         Dalton, WIlliam
13         Sebti, Said
15         Yu, Hua
17         Heller, Richard
19         Jaroszeski, Mark
23 <120> TITLE OF INVENTION: INHIBITION OF STAT3 SIGNAL TRANSDUCTION FOR HUMAN CANCER
24         THERAPY
28 <130> FILE REFERENCE: 10873-008-999
32 <140> CURRENT APPLICATION NUMBER: 09/492,764
34 <141> CURRENT FILING DATE: 2000-01-27
38 <150> PRIOR APPLICATION NUMBER: 60/117,600
40 <151> PRIOR FILING DATE: 1999-01-27
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84 <212> TYPE: DNA
86 <213> ORGANISM: Homo sapiens
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96 <211> LENGTH: 25
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108 <210> SEQ ID NO: 5
110 <211> LENGTH: 25
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/492,764

DATE: 01/23/2002
TIME: 17:27:56

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01232002\I492764.raw

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146 <400> SEQUENCE: 7
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154 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 8
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184 <213> ORGANISM: Homo sapiens
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196 <212> TYPE: DNA
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220 <223> OTHER INFORMATION: Xaa = S OR P
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RAW SEQUENCE LISTING   DATE: 01/23/2002
PATENT APPLICATION: US/09/492,764   TIME: 17:27:56

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                Output Set: N:\CRF3\01232002\I492764.raw

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246 <211> LENGTH: 12
248 <212> TYPE: PRT
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257 1   5   10
259 <210> SEQ ID NO: 15
261 <211> LENGTH: 12
263 <212> TYPE: PRT
265 <213> ORGANISM: Homo sapiens
269 <400> SEQUENCE: 15
271 Tyr Pro Ala Pro Gln Pro Leu Val Thr Lys Thr Ser
272 1   5   10
274 <210> SEQ ID NO: 16
276 <211> LENGTH: 12
278 <212> TYPE: PRT
280 <213> ORGANISM: Homo sapiens
284 <400> SEQUENCE: 16
286 Phe Ser Tyr Pro Leu Thr Arg Ala Pro Leu Asn Met
287 1   ,   5   10
289 <210> SEQ ID NO: 17
291 <211> LENGTH: 7
293 <212> TYPE: PRT
295 <213> ORGANISM: Homo sapiens
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302 1   5
304 <210> SEQ ID NO: 18
306 <211> LENGTH: 7
308 <212> TYPE: PRT
310 <213> ORGANISM: Homo sapiens
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317 1   5
319 <210> SEQ ID NO: 19
321 <211> LENGTH: 7
323 <212> TYPE: PRT
325 <213> ORGANISM: Homo sapiens
329 <400> SEQUENCE: 19
331 Ile Gln Ser Pro His Phe Phe

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/492,764

DATE: 01/23/2002
TIME: 17:27:56

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01232002\I492764.raw

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        348 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
        352 <400> SEQUENCE: 20
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        355 1                 5
        357 <210> SEQ ID NO: 21
        359 <211> LENGTH: 6
        361 <212> TYPE: PRT
        363 <213> ORGANISM: Homo sapiens
        367 <400> SEQUENCE: 21
        369 Pro Tyr Leu Lys Thr Lys
        370 1                 5
        372 <210> SEQ ID NO: 22
        374 <211> LENGTH: 6
        376 <212> TYPE: PRT
        378 <213> ORGANISM: Homo sapiens
        382 <220> FEATURE:
        384 <221> NAME/KEY: misc_feature
        386 <223> OTHER INFORMATION: X= PHOSPHOTYROSINE
        390 <400> SEQUENCE: 22
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        393 1                 5
        395 <210> SEQ ID NO: 23
        397 <211> LENGTH: 6
        399 <212> TYPE: PRT
        401 <213> ORGANISM: Homo sapiens
        405 <220> FEATURE:
        407 <221> NAME/KEY: misc_feature
        409 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
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        416 1                 5
        418 <210> SEQ ID NO: 24
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        422 <212> TYPE: PRT
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        428 <220> FEATURE:
        430 <221> NAME/KEY: misc_feature
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        439 1                 5
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   455 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
   459 <400> SEQUENCE: 25
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   462 1               5
   464 <210> SEQ ID NO: 26
   466 <211> LENGTH: 6
   468 <212> TYPE: PRT
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   474 <220> FEATURE:
   476 <221> NAME/KEY: misc_feature
   478 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
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   485 1               5
   487 <210> SEQ ID NO: 27
   489 <211> LENGTH: 4
   491 <212> TYPE: PRT
   493 <213> ORGANISM: Homo sapiens
   497 <220> FEATURE:
   499 <221> NAME/KEY: misc_feature
   501 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
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   508 1
   510 <210> SEQ ID NO: 28
   512 <211> LENGTH: 4
   514 <212> TYPE: PRT
   516 <213> ORGANISM: Homo sapiens
   520 <220> FEATURE:
   522 <221> NAME/KEY: misc_feature
   524 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
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W--> 530 Pro Xaa Phe Lys
   531 1
   533 <210> SEQ ID NO: 29
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   537 <212> TYPE: PRT
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   543 <220> FEATURE:
   545 <221> NAME/KEY: misc_feature
   547 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
   551 <400> SEQUENCE: 29
W--> 553 Xaa Leu Lys
   554 1
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VERIFICATION SUMMARY   DATE: 01/23/2002
PATENT APPLICATION: US/09/492,764   TIME: 17:27:57

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\01232002\I492764.raw**

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L:226 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:354 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:20
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:392 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:22
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:415 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:23
L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:438 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:24
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:461 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25
L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:507 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:27
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:530 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28
L:530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:553 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:29
L:553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:576 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30
L:576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:614 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:32
L:614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:652 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:34
L:652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:675 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:35
L:675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:698 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:36
L:698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:721 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:37
L:721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:744 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:38
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
```

1600

(handwritten signature: Rawlings)

(handwritten, stamped): Does Not Comply Corrected Diskette Needed

(handwritten): see p. 2

```
          RAW SEQUENCE LISTING                    DATE: 01/23/2002
          PATENT APPLICATION:  US/09/492,764      TIME: 16:34:40

          Input Set : A:\10873-008.txt
          Output Set: N:\CRF3\01232002\I492764.raw
```

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   5 <110> APPLICANT: Jove, Richard
   7        Hamilton, Andrew
   9        Gilbert, Richard
  11        Dalton, WIlliam
  13        Sebti, Said
  15        Yu, Hua
  17        Heller, Richard
  19        Jaroszeski, Mark
  23 <120> TITLE OF INVENTION: INHIBITION OF STAT3 SIGNAL TRANSUCTION FOR HUMAN CANCER
  24        THERAPY
  28 <130> FILE REFERENCE: 10873-008-999
  32 <140> CURRENT APPLICATION NUMBER: 09/492,764
  34 <141> CURRENT FILING DATE: 2000-01-27
  38 <150> PRIOR APPLICATION NUMBER: 60/117,600
  40 <151> PRIOR FILING DATE: 1999-01-27
  44 <160> NUMBER OF SEQ ID NOS: 38
  48 <170> SOFTWARE: PatentIn version 3.0
  52 <210> SEQ ID NO: 1
  54 <211> LENGTH: 24
  56 <212> TYPE: DNA
  58 <213> ORGANISM: Homo sapiens
  62 <400> SEQUENCE: 1
  63 agcttcattt cccgtaaatc ccta                                    24
  66 <210> SEQ ID NO: 2
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  70 <212> TYPE: DNA
  72 <213> ORGANISM: Homo sapiens
  76 <400> SEQUENCE: 2
  77 agcttcattt cccgtaaatc ccta                                    24
  80 <210> SEQ ID NO: 3
  82 <211> LENGTH: 22
  84 <212> TYPE: DNA
  86 <213> ORGANISM: Homo sapiens
  90 <400> SEQUENCE: 3
  91 gtcccccggc cggggaggcg ct                                      22
  94 <210> SEQ ID NO: 4
  96 <211> LENGTH: 25
  98 <212> TYPE: DNA
 100 <213> ORGANISM: Homo sapiens
 104 <400> SEQUENCE: 4
 105 cgacgacttc tcccgccgct accgc                                   25
 108 <210> SEQ ID NO: 5
 110 <211> LENGTH: 25
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(handwritten): (TRANSDUCTION)

RAW SEQUENCE LISTING   DATE: 01/23/2002
PATENT APPLICATION: US/09/492,764   TIME: 16:34:40

Input Set : A:\10873-008.txt
Output Set: N:\CRF3\01232002\I492764.raw

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124 <211> LENGTH: 20
126 <212> TYPE: DNA
128 <213> ORGANISM: Homo sapiens
132 <400> SEQUENCE: 6
133 cgggcattca gtgacctgac                                          20
136 <210> SEQ ID NO: 7
138 <211> LENGTH: 20
140 <212> TYPE: DNA
142 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 7
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150 <210> SEQ ID NO: 8
152 <211> LENGTH: 20
154 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 8
161 ccactgaact tctgattcgc                                          20
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166 <211> LENGTH: 20
168 <212> TYPE: DNA
170 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 9
175 gcgtgctagc tggatgtctt                                          20
178 <210> SEQ ID NO: 10
180 <211> LENGTH: 9
182 <212> TYPE: DNA
184 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 10
189 ttcggagaa                                                       9
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194 <211> LENGTH: 9
196 <212> TYPE: DNA
198 <213> ORGANISM: Homo sapiens
202 <400> SEQUENCE: 11
203 tgaggataa                                                       9
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210 <212> TYPE: PRT
212 <213> ORGANISM: Homo sapiens
216 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
220 <223> OTHER INFORMATION: N  S OR P      ) Xaa    N is used for nucleotide
224 <400> SEQUENCE: 12                                                       sequence
W--> 226 His Tyr Xaa Pro Ile Leu Val Tyr Gln Pro Ser Trp
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RAW SEQUENCE LISTING   DATE: 01/23/2002
PATENT APPLICATION: US/09/492,764   TIME: 16:34:40

Input Set : A:\10873-008.txt
Output Set: N:\CRF3\01232002\I492764.raw

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242 1                   5                   10
244 <210> SEQ ID NO: 14
246 <211> LENGTH: 12
248 <212> TYPE: PRT
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257 1                   5                   10
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263 <212> TYPE: PRT
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271 Tyr Pro Ala Pro Gln Pro Leu Val Thr Lys Thr Ser
272 1                   5                   10
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278 <212> TYPE: PRT
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287 1                   5                   10
289 <210> SEQ ID NO: 17
291 <211> LENGTH: 7
293 <212> TYPE: PRT
295 <213> ORGANISM: Homo sapiens
299 <400> SEQUENCE: 17
301 His Ala Ile Tyr Pro Arg Asn
302 1                   5
304 <210> SEQ ID NO: 18
306 <211> LENGTH: 7
308 <212> TYPE: PRT
310 <213> ORGANISM: Homo sapiens
314 <400> SEQUENCE: 18
316 Ala Ser Thr Leu Pro Lys Ala
317 1                   5
319 <210> SEQ ID NO: 19
321 <211> LENGTH: 7
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329 <400> SEQUENCE: 19
331 Ile Gln Ser Pro His Phe Phe
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RAW SEQUENCE LISTING   DATE: 01/23/2002
PATENT APPLICATION: US/09/492,764   TIME: 16:34:40

        Input Set : A:\10873-008.txt
        Output Set: N:\CRF3\01232002\I492764.raw

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346 <221> NAME/KEY: misc_feature
348 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
352 <400> SEQUENCE: 20
354 Pro Xaa Leu Lys Thr Lys
355 1               5
357 <210> SEQ ID NO: 21
359 <211> LENGTH: 6
361 <212> TYPE: PRT
363 <213> ORGANISM: Homo sapiens
367 <400> SEQUENCE: 21
369 Pro Tyr Leu Lys Thr Lys
370 1               5
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374 <211> LENGTH: 6
376 <212> TYPE: PRT
378 <213> ORGANISM: Homo sapiens
382 <220> FEATURE:
384 <221> NAME/KEY: misc_feature
386 <223> OTHER INFORMATION: X= PHOSPHOTYROSINE
390 <400> SEQUENCE: 22
392 Ala Xaa Leu Lys Thr Lys
393 1               5
395 <210> SEQ ID NO: 23
397 <211> LENGTH: 6
399 <212> TYPE: PRT
401 <213> ORGANISM: Homo sapiens
405 <220> FEATURE:
407 <221> NAME/KEY: misc_feature
409 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
413 <400> SEQUENCE: 23
415 Pro Xaa Ala Lys Thr Lys
416 1               5
418 <210> SEQ ID NO: 24
420 <211> LENGTH: 6
422 <212> TYPE: PRT
424 <213> ORGANISM: Homo sapiens
428 <220> FEATURE:
430 <221> NAME/KEY: misc_feature
432 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
436 <400> SEQUENCE: 24
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439 1               5
441 <210> SEQ ID NO: 25
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445 <212> TYPE: PRT
447 <213> ORGANISM: Homo sapiens
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453 <221> NAME/KEY: misc_feature
455 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
459 <400> SEQUENCE: 25
461 Pro Xaa Leu Lys Ala Lys
462 1               5
464 <210> SEQ ID NO: 26
466 <211> LENGTH: 6
468 <212> TYPE: PRT
470 <213> ORGANISM: Homo sapiens
474 <220> FEATURE:
476 <221> NAME/KEY: misc_feature
478 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
482 <400> SEQUENCE: 26
484 Pro Tyr Leu Lys Thr Ala
485 1               5
487 <210> SEQ ID NO: 27
489 <211> LENGTH: 4
491 <212> TYPE: PRT
493 <213> ORGANISM: Homo sapiens
497 <220> FEATURE:
499 <221> NAME/KEY: misc_feature
501 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
505 <400> SEQUENCE: 27
507 Pro Xaa Leu Lys
508 1
510 <210> SEQ ID NO: 28
512 <211> LENGTH: 4
514 <212> TYPE: PRT
516 <213> ORGANISM: Homo sapiens
520 <220> FEATURE:
522 <221> NAME/KEY: misc_feature
524 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
528 <400> SEQUENCE: 28
530 Pro Xaa Phe Lys
531 1
533 <210> SEQ ID NO: 29
535 <211> LENGTH: 3
537 <212> TYPE: PRT
539 <213> ORGANISM: Homo sapiens
543 <220> FEATURE:
545 <221> NAME/KEY: misc_feature
547 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
551 <400> SEQUENCE: 29
553 Xaa Leu Lys
554 1
```

VERIFICATION SUMMARY   DATE: 01/23/2002
PATENT APPLICATION: US/09/492,764   TIME: 16:34:41

Input Set : A:\10873-008.txt
Output Set: N:\CRF3\01232002\I492764.raw

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L:226 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:354 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:20
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:392 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:22
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:415 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:23
L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:438 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:24
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:461 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25
L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:507 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:27
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:530 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28
L:530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:553 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:29
L:553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:576 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30
L:576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:614 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:32
L:614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:652 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:34
L:652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:675 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:35
L:675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:698 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:36
L:698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:721 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:37
L:721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:744 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:38
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
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